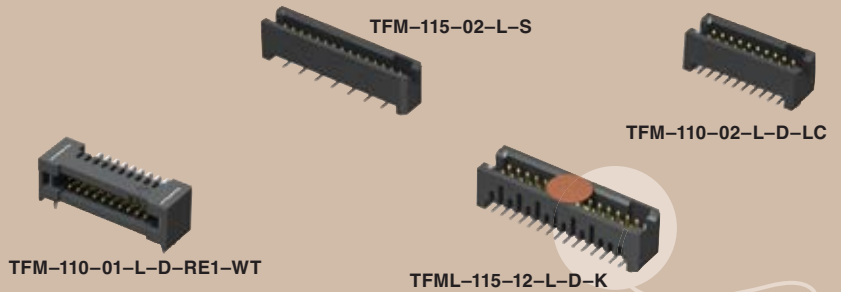




(1,27 mm) .050"

TFM, TFML SERIES



SMT & THROUGH-HOLE HEADER

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?TFM or www.samtec.com?TFML

Insulator Material: Black Liquid Crystal Polymer
Terminal Material: Phosphor Bronze
Plating: Au or Sn over 50µ" (1,27 µm) Ni
Voltage Rating: 350 VAC mated with SFM
Operating Temp Range: -55°C to +125°C
RoHS Compliant: Yes

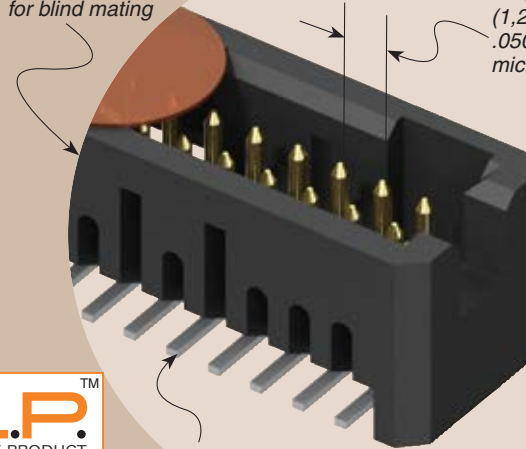


TFM Mates with: SFM, SFMC, SFSD

TFML Mates with: SFML, SFSD (-XL option), SFSDT (-XL option)

TFM-DH Mates with: SFM (-DH), SFMC, SFSDX (-S, -D, -SR, -DR)

Shrouded body for blind mating

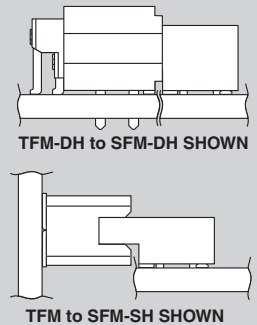


(1,27 mm x 1,27 mm) .050" x .050" micro pitch

Surface mount or Through-hole tails



APPLICATIONS



CURRENT RATING (PER CONTACT)	
AMBIENT TEMP	TFM/SFM
20°C	5A
40°C	4.5A
60°C	3.9A
95°C	2.6A

6 POSITIONS (2x3) POWERED

Processing: Lead-Free Solderable: Yes
SMT Lead Coplanarity: (0,10 mm) .004" max (05-25) (0,15 mm) .006" max (30-50)

MATED HEIGHT

LEAD STYLE		MATED HEIGHT*
TFM	SFM	
-02	-02	(6,35) .250
-12		(8,13) .320
-22		(9,91) .390
-32		(11,81) .465
LEAD STYLE		MATED HEIGHT*
TFM	SFM	
-01	-01	(5,97) .235
-03		(5,97) .235
-11		(7,75) .305
-13		(7,75) .305
-21		(9,53) .375
-31		(11,43) .450

*Processing conditions will affect mated height.

TYPE STRIP = 1

TFM = Standard

TFML = Locking

NO. PINS PER ROW

04, 06, 08 (TFM only)

05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 (Call Samtec for other sizes)

LEAD STYLE

Specify LEAD STYLE from chart

PLATING OPTION

-L = 15µ" (0,38 µm) Gold on post, Matte Tin on tail (Call Samtec for E.L.P. plating option)

COST-SAVING APPLICATIONS

See TFC Series for lower cost plating options.

LEAD STYLE (T/H)	B	C
-01	(5,59) .220	(1,97) .078
-03*	(5,59) .220	(2,77) .109
-11*	(7,37) .290	(1,97) .078
-13*	(7,37) .290	(2,77) .109
-21*	(9,14) .360	(1,97) .078
-31*	(11,05) .435	(1,97) .078

SINGLE ROW

DOUBLE ROW

LEAD STYLE (SMT)	A
-02	(5,72) .225
-12*	(7,49) .295
-22*	(9,27) .365
-32*	(11,18) .440

THROUGH-HOLE

SURFACE MOUNT

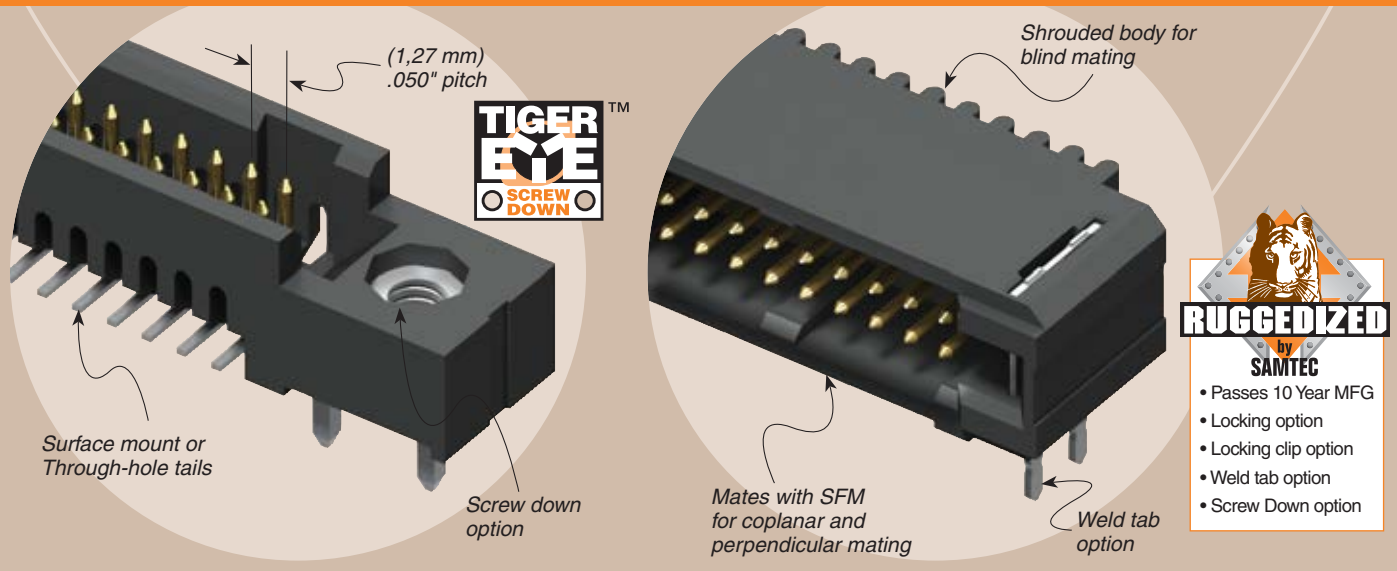
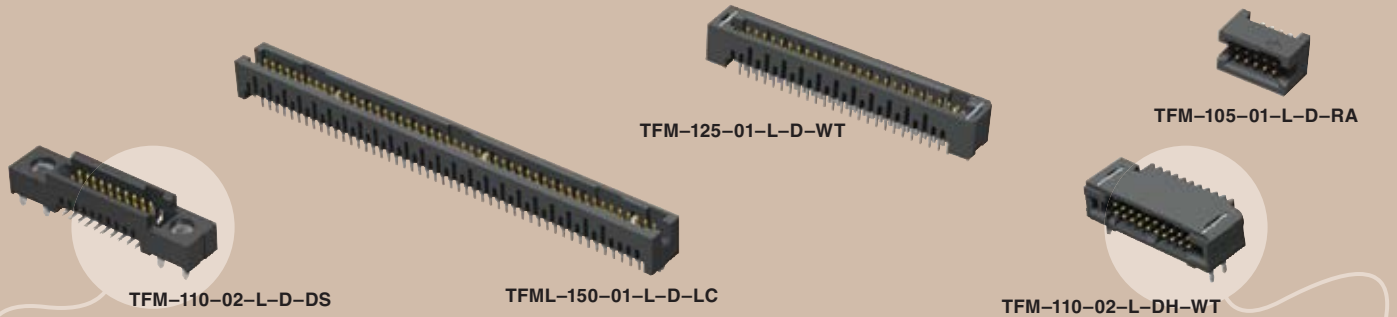
-LC (SMT or TH)

-WT (-01 & -02 ONLY)

Note: Some sizes, styles and options are non-standard, non-returnable.

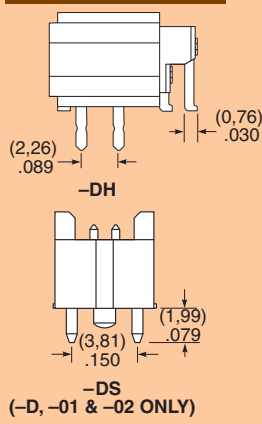
Due to technical progress, all designs, specifications and components are subject to change without notice.

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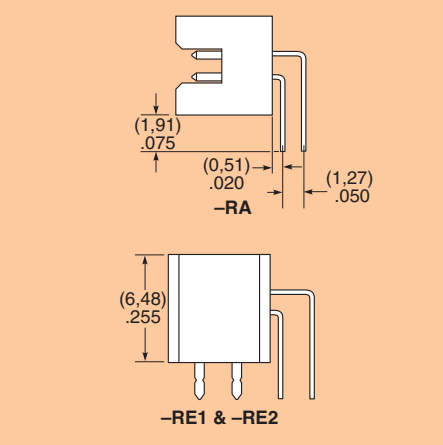
ROW OPTION

- S**
= Single Row (TFM only)
- D**
= Double Row
- DH**
= Double Horizontal (TFM lead style -02 only) (05 thru 50 positions only) (-WT standard; -TR option only available)



OPTION

- Specify only **-RA**, **-RE1** or **-RE2**
- RA**
= Right Angle (Lead style -01 only)
- RE1**
= Right Angle Elevated for (1,58 mm) .062" PCB (Requires TFM lead style -01, -D row and -WT)
- RE2**
= Right Angle Elevated for (2,36 mm) .093" PCB (Requires TFM lead style -01, -D row and -WT)



- Specify only **-A**, **-LC**, **-DS** or **-WT**
Not available with **-RA**, **-RE1** and **-RE2** unless otherwise noted.
- A**
= Alignment Pin
- LC**
= Locking Clip (Manual Placement required)
- DS**
= Dual Screw Down for (1,60 mm) .062" PCB (05, 07, 10, 15, 20, 25, 30, 35, 40 positions only) (TFM lead styles -01 and -02 only) (Requires -D row option) (Mates with SFM-DS option and SFSD/SFSDT -SS and -DS option only)
- WT**
= Weld Tab (TFM lead styles -01 and -02 only) (Standard with -DH) (Mates to SFSS/SFSD -SR and -DR option only) (05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 positions only)

- SMT lead styles only
Specify only **-K** or **-P**
- K**
= Polyimide Film Pick & Place Pad
- P**
= Plastic Pick & Place Pad (5 positions minimum)
- Specify **-TR** last
- TR**
= Tape & Reel (Not available with -DS)

APPLICATION SPECIFIC OPTION

Solder nail option available.
Call Samtec.

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